

L I S T O F C O N T E N T S

Volume 7, 1987

ALCOHOL AND DRUG RESEARCH

Volume 7, Number 1

1987

TABLE OF CONTENTS

J.M. LEE, F. DeLEON-JONES,
J.Z. FIELDS and R.F. RITZMANN

B.L. LOGAN and R. LAVERTY

R.J. MARLEY and J.M. WEHNER

J.M. MURPHY, W.J. McBRIDE,
L. LUMENG, and T.-K.LI

A. GALLARDO-CARPENTIER and
R.G. CARPENTIER

J.E. ROSE

1 Cyclo (LEU-GLY) Attenuates the
Striatal Dopaminergic Supersensitivity
Induced by Chronic Morphine

11 Comparative Effects of Ethanol and
Other Depressant Drugs on Membrane
Order in Rat Synaptosomes Using ESR
Spectroscopy

25 GABA Enhancement of Flunitrazepam
Binding in Mice Selectively Bred for
Differential Sensitivity to Ethanol

33 Alcohol Preference and Regional Brain
Monoamine Contents of N/NIH Hetero-
geneous Stock Rats

41 Cardiac Electrophysiology in Rats
Drinking Moderate Amounts of Ethanol

49 Cigarette Smoking Blocks Caffeine-
Induced Arousal

57 Announcements

I Software Survey Section

ALCOHOL AND DRUG RESEARCH

Volume 7, Number 2

1987

TABLE OF CONTENTS

K. ASGHAR 61 Role of Dietary and Environmental Factors in Drug Abuse

J.F. CLAPP, M. WESLEY, R. COOKE, R. PEKALA, and C. HOLSTEIN 85 The Effects of Marijuana Smoke on Gas Exchange in Ovine Pregnancy

S. GOVONI, G. PASINETTI, A. BIANCHI, M. GADOLA, and M. TRABUCCHI 93 Heavy Drinking Decreases Plasma Met-Enkephalin Concentrations

G. SZABO, G. L. KOVACS, L. BALASPIRI, and G. TELEGYD 99 D-Pipecolyl-Leucyl-Glycinamide, A Substituted Tripeptide Analogue of the C-Terminal Part of Oxytocin, Influences Tolerance To and Dependence on Ethanol in Mice

W. Y. HU, R.J. REIFFENSTEIN and L. WONG 107 Interaction Between Flurazepam and Ethanol

119 Abstracts

I Software Survey Section

ALCOHOL AND DRUG RESEARCH

Volume 7, Number 3

1987

TABLE OF CONTENTS

W.M. DAVIS, H.T. HATOUM,
and I.W. WATERS 123 Toxicity of MDA (3,4-Methylenedioxy-
amphetamine) Considered for Relevance
to Hazards of MDMA (Ecstasy) Abuse

A. REZVANI, K.B. STOKES,
D.L. RHOADS, and E.L. WAY 135 Proglumide Exhibits Delta Opioid
Agonist Properties

D.E. McMILLAN 147 On the Stability of Phencyclidine
Discrimination in the Pigeon

S.A. ESKURI and R.S. POZOS 153 The Effect of Ethanol and Temperature
on Calcium-Dependent Sensory
Neuron Action Potentials

J.C. CRABBE, A. KOSOBUD,
B.R. TAM, E.R. YOUNG, and
and C.M. DEUTSCH 163 Genetic Selection of Mouse Lines
Sensitive (Cold) and Resistant
(Hot) to Acute Ethanol Hypothermia

R.C. MICHAELIS, A.M. HOLOHEAN,
G.A. HUNTER, and F.A. HOLLOWAY 175 Endogenous Adenosine-Receptive
Systems Do Not Mediate the Discrimin-
itive Stimulus Properties of Ethanol

J. PERIS and C.L. CUNNINGHAM 187 Stress Enhances the Development of
Tolerance to the Hypothermic Effect
of Ethanol

B. ROVINSKI, E.A. HOSEIN, H. LEE,
G.L.-Y. HIN, and N.K. RASTOGI 195 Hepatotoxicity of Maternal Ethanol
Consumption in Rat Offspring: An
Assessment with a Study of the Onto-
genetic Development of Ethanol-
Oxidizing Systems

ALCOHOL AND DRUG RESEARCH

Volume 7, Number 4

1987

TABLE OF CONTENTS

N.E. GOEDERS and M.J. KUHAR 207 Chronic Cocaine Administration Induces Opposite Changes in Dopamine Receptors in the Striatum and Nucleus Accumbens

B.L. SLIFER and L.A. DYKSTRA 217 The Effects of N-Allylnormetazocine on Electric Shock Titration in Squirrel Monkeys

E.L. MORROW and V.G. ERWIN 225 Calcium Influence on Newrotensin and B-Endorphin Enhancement of Ethanol Sensitivity in Selectively Bred Mouse Lines

R.L. BALSTER and V.C. MOSER 233 Pentobarbital Discrimination in the Mouse

S.TEWARI, S.A. GREENBERG, K.DO, and P.A. GREY 243 The Response of Rat Brain Protein Synthesis to Ethanol and Sodium Barbital

W.W. SPIRDUSO, T. SCHALLERT, C. ERICKSON, H. FENTON, J. FINEG, G. KNIGHT, D. MAYFIELD, and T. WALTERS 259 Ethanol and Aging Effects on Movement Initiation Can Be Dissociated from General Behavioral Impairment Using a High-Speed Lever-Release Task in Rats

P. POSNER, S.P. BAKER, B. HUNTER, and D.W. Walker 273 Chronotropic and Inotropic Effects on Atria of Chronic Ethanol Ingestion in the Aging Rat

A. SMOLEN and T.N. SMOLEN 279 Demonstration of a Threshold Concentration for Ethanol at the Time of Regaining the Righting Response in Long-Sleep and Short-Sleep Mice

F. FADDA, F. FRANCH, E. MOSCA, R. MELONI and G.L. GESSA 285 Inhibition of Voluntary Ethanol Intake in Rats by a Combination of Dihidro-ergotoxine and Thioridazine

R.C. BAKER 291 Disassociation of Cerebellar Phospholipid Composition and Acute Ethanol Effects in Mice Selectively Bred for Differential Sensitivity to Ethanol

H.B. MOSS, R.J. SALIN-PASCUAL, P. RATHNAGIRI, D. GOLDMAN, and L. TAMARKIN 301 Sex-Differences in Ethanol Sensitivity and Alcohol and Aldehyde Dehydrogenase Activities in the Syrian Hamster

309 Announcements

I Software Survey Section

ALCOHOL AND DRUG RESEARCH

Volume 7, Number 5/6

1987

TABLE OF CONTENTS

M.A. JAVORS and C.L. BOWDEN 311 *Minireview: The Human Platelet as a Model for Calcium Metabolism in Central Nerve Endings in the Study of Alcoholism*

J.D. LEANDER 321 *Cross-tolerance to Metkephamid (LY127623) Produced by Morphine Solution Ingestion by Mice*

K.S. SCHWARZ, J. PERIS and C.L. CUNNINGHAM 327 *Effects of Restraint and Naltrexone on the Biphasic Heart Rate Response to Morphine in Rats*

N.S. PARMAR, M. TARIQ and A.M. AGEEL 341 *Studies on the Gastroduodenal Effects of Pylorus Ligation, Hypothermic Restraint Stress, Aspirin, Indomethacin and Reserpine in Morphine Dependent Rats*

R.L. CORWIN, W.L. WOOLVERTON, C.R. SCHUSTER and C.E. JOHANSON 351 *Anorectics: Effects on Food Intake and Self-administration in Rhesus Monkeys*

H.K. WATANABE, B. HOSKINS and I.K. HO 363 *Sensitivity Difference to Hepatotoxicity of Cocaine in Spontaneously Hypertensive and Wistar Kyoto Rats*

P. POSNER, S.P. BAKER, R.G. CARPENTIER and W.W. HENNEMANN 371 *Effect of Long-term Ethanol Consumption on the Rat Ventricle*

M.B. GIVEN and G.L. LONGENECKER 383 *Effects of Acetaldehyde Condensation Products on Human Platelet Aggregation*

F. LANCASTER, K. SPIEGEL and M. ZAMAN 393 *Voluntary Beer Drinking in Rats*

H. MARCUCELLA and I. MUNRO 405 *Ethanol Consumption of Free Feeding Animals During Restricted Ethanol Access*

D. DESROCHES, K. RYAN, E. VLECK and R.H. BENNO 415 *Effects of Acute, In Utero, Alcohol Exposure on Growth and Electrolyte Metabolism in Male Offspring of C57BL/10J Mice*

(Continued)

Volume 7, Number 5/6

CONTENTS
(continued)

J.R.WEST 423 Fetal Alcohol-induced Brain Damage and the Problem of Determining Temporal Vulnerability: A Review

D. DESROCHES, S.S. WHITE and R.H. BENNO 443 Effects of Acute Alcohol Administration on Maternal Calcium Metabolism and Fetal Development in Mice

M. JAVORS, G. BLAISDELL, J. LEE and C. BOWDEN 453 Binding of Imipramine to Platelet Membranes is Lower in Alcoholics than in Controls

H.H. SAMSON and A.O. PFEFFER 461 Initiation of Ethanol-maintained Responding Using a Schedule-induction Procedure in Free Feeding Rats

A.M. BEKAIRI, F.S. ABULABAN, M. TARIQ, N.S. PARMAR and A.M. AGEEL 471 Studies on Ethanol and/or Nicotine Induced Acute Changes in the Levels of Plasma Amino Acids and Other Biochemical Parameters of Male Wistar Rats

K. SPIVAK, C.M.G. ARAGON and Z. AMIT 481 Alterations in Brain Aldehyde Dehydrogenase Activity Modify the Locomotor Effects Produced by Ethanol in Rats

M. HIRST, D.R. EVANS and C.W. GOWDEY 493 Salsolinol in Urine Following Chocolate Consumption by Social Drinkers

E.J. GALLAHER, C.J. JACQUES and L.E. HOLLISTER 503 Alprazolam Dependence in Mice

W.M. DAVIS, T.E. SMITH and S.G. SMITH 511 Intravenous and Intragastric Self-administration of Chlordiazepoxide in the Rat

P.J. LITTLE, N.C. KAPLAN and B.R. MARTIN 517 Pharmacological Profile of $^{9}\text{-THC}$ Carbamate

H.L. TRIPATHI, F.J. VOCCI, D.A. BRASE and W.L. DEWEY 525 Effects of Cannabinoids on Levels of Acetylcholine and Choline and on Turnover Rate of Acetylcholine in Various Regions of the Mouse Brain

P. CUSHMAN, D. MORRIS, M. ADAMS and W. DEWEY 533 Opiate Addiction and Plasma B-Endorphin-like Immunoreactivity: Methadone Maintained, Recently Detoxified and Early Naltrexone Treated Ex-addicts

